

compare their Observations therewith, either to verifie these *Predictions*, or to shew wherein they differ; which is (as was also hinted above) the design of this *Philosophical Prophet* in dispersing his Conceptions, who declareth himself ready, in case he be mistaken in his reckoning, to learn another *Hypothesis*, to explicate these admirable appearances by.

An Experimental History of Cold.

There is in the Press, a New *Treatise*, entituled, *New Observations and Experiments in order to an Experimental History of Cold*, begun by that Noble Philosopher, Mr. Robert Boyle, and in great part already Printed; He did lately very obligingly present several Copies of so much as was Printed, to the *Royal Society*, with a desire that some of the Members thereof might be engaged to peruse the Book, and select out of it for trial, the hints of such Experiments, as the *Author* there wisheth might be either yet made or prosecuted. The Heads thereof are,

1. Experiments touching Bodies capable of Freezing others.
2. Experiments and Observations touching Bodies Disposed to be Frozen.
3. Experiments touching Bodies, Indisposed to be Frozen.
4. Experiments and Observations touching the Degrees of Cold in several Bodies.
5. Experiments touching the Tendency of Cold Upwards or Downwards.
6. Experiments and Observations touching the Preservation and Destruction of (Eggs, Apples, and other) Bodies by Cold.
7. Experiments touching the Expansion of Water and Aqueous Liquors by Freezing.
8. Experiments touching the Contraction of Liquors by Cold.
9. Experiments in Consort, touching the Bubbles, from which the Levity of Ice is supposed to proceed.
10. Experiments about the Measure of the Expansion and the Contraction of Liquors by Cold.
11. Experiments touching the Expansive Force of Freezing Water.
12. Experiments touching a New way of estimating the Expansive

five force of Congelation, and of highly compressing Air without Engines.

13. Experiments and Observations touching the Sphere of Activity of Cold.

14. Experiments touching differing *Mediums*, through which Cold may be diffused.

15. Experiments and Observations touching Ice.

16. Experiments and Observations touching the duration of Ice and Snow, and the destroying of them by the Air, and several Liquors.

17. Considerations and Experiments touching the *Primum Frigidum*.

18. Experiments and Observations touching the Coldness and Temperature of the Air.

19. Of the strange Effects of Cold.

20. Experiments touching the weight of Bodies frozen and unfrozen.

21. Promiscuous Experiments and Observations concerning Cold.

This Treatise will be dispatched within a very short time, and would have been so, ere this, if the extremity of the late Frost had not stopt the Press. It will be accompanied with some Discourses of the same *Author*, concerning *New Thermometrical Experiments and Thoughts*, as also, with an Exercitation about the *Doctrine of the Antiperistasis*: In the former whereof is first proposed this *Paradox*, That not only our Senses, but common Weather-glasses, may mis-inform us about Cold. *Next*, there are contained in this part, New Observations about the deficiencies of Weather-glasses, together with some considerations touching the *New or Hermetrical Thermometers*. *Lastly*, they deliver another *Paradox*, touching the cause of the Condensation of the Air, and Ascent of water by cold in common Weather-glasses. The latter piece of this part contains an Examen of *Antiperistasis*, as it is wont to be taught and proved; Of all which there will, perhaps, a fuller account be given by the Next.